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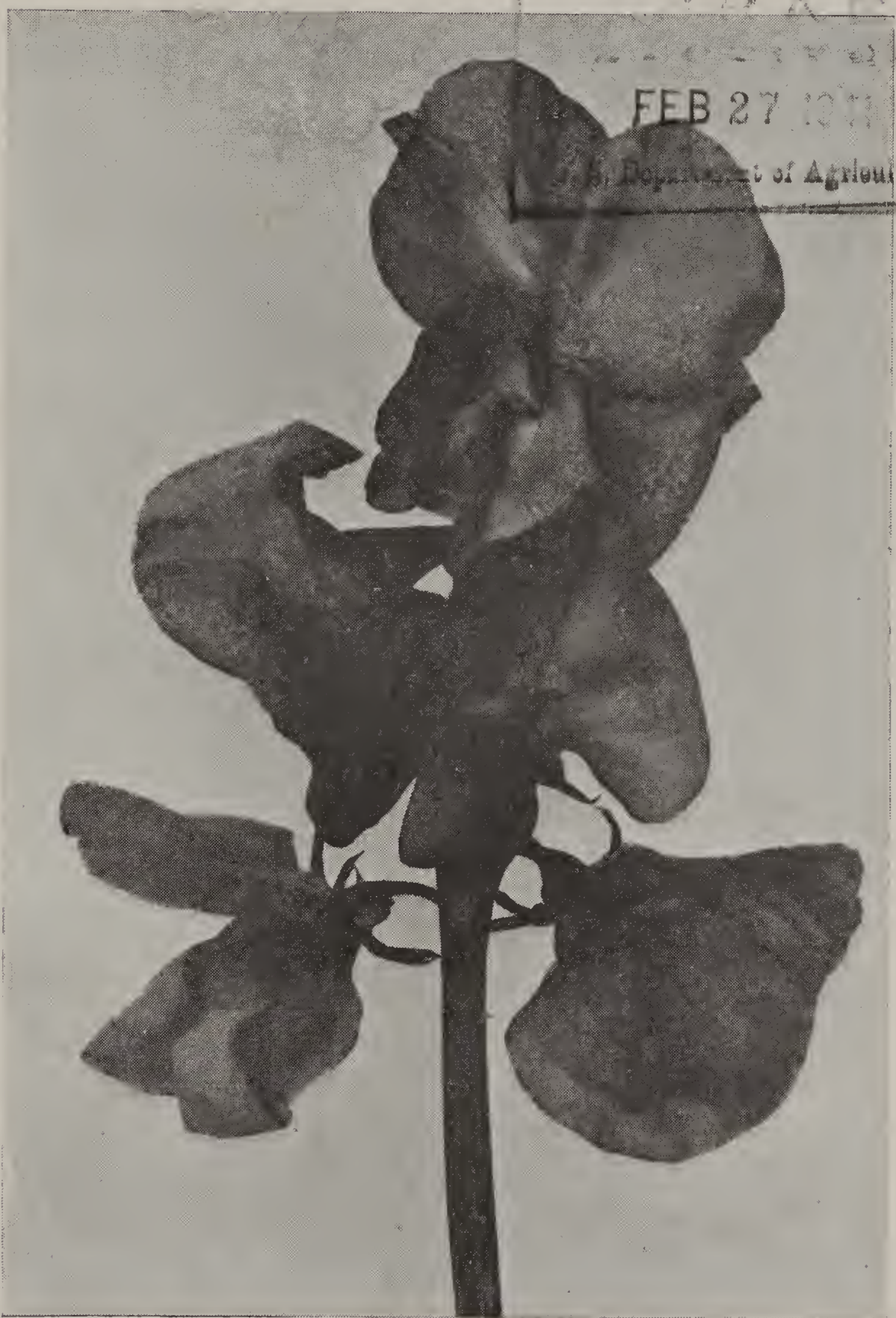
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Ant.C.Zvolanek and Son

Postoffice Box 126

Lompoc

California



1938

Vivian Zvolanek
Some Grow As Pictured

PRICE LIST OF
WINTER FLOWERING
SWEET PEA
SEED





ZVOLANEK RED CHIEF

1938 NOVELTIES

AGAIN WE PRESENT YOU WITH A FEW NEW VARIETIES WHICH WE BELIEVE ARE ALL OUTSTANDING OVER THE OLDER

ZVOL. ORANGE PRESIDENT—Clearest orange. Same size and very long stems as our President, which is dark salmon. Does not burn in greenhouses. Needs some shading out of door.

ZVOL. WHITE JOSIE—Pure white, white seeded. It is duplicate of our Pink Josie. This novelty will outclass any white seeded Sweet Pea in existence.

ZVOL. RED CHIEF—Bright cherry red, with an orange flush, enormous flower, mostly double, long stems.

ZVOL. LAVENDER QUEEN—This variety we have had under observation for several years, with several Eastern greenhouse men and all agree to be the best variety to grow. It is larger than Philadelphia.

Price: 1 pkt. 75c; 1 oz. \$2.00; 4 ozs. \$6.00 1 lb. \$20.00



LIMIT TYPE OF WINTER SWEET PEA

During long years of hybridising, we have developed a string of many colors of the largest Winter Sweet Peas in existence, which are named Limit. All are double the size of any late flowering, with long stems, and bloom in winter and summer. They do not produce so many flowers, but each flower is perfect, with 4 to 6 enormous blooms on a stem.

We have now the following:

ZVOL. PINK LIMIT—

ZVOL. WHITE LIMIT—

ZVOL. CERISE LIMIT—

ZVOL. CREAM LIMIT

ZVOL. MIXED LIMIT—in over 15 different colors.

Price: 1 pkt. \$1.00; 1 oz. \$3.00; 4 ozs. \$10.00; 1 lb. \$30.00

Twin Sweet Peas

EXTREME EARLY FLOWERING SWEET PEA

The following varieties begin to flower 3 to 4 weeks earlier. While the first flowers are some times disappointing, being small, but soon as the plants reach two feet in height, they begin to branch out and start to produce mass of blooms with very long stems and many coming with two stems behind each joint. They are best bloomer during the dark winter months holding the buds better than any Winter type. We have them now in most any color.

ZVOL. LAVENDER TWIN—

ZVOL. PINK TWIN—

ZVOL. ROSE TWIN—

ZVOL. MISS CANADA TWIN—Light pink.

ZVOL. WHITE TWIN—

ZVOL. CHERRY RED TWIN—and Many Others.

Price: Pkt. 30c; 1 oz. 50c; 4 ozs. \$1.75; 1 lb. \$4.00



TO OUR COMMERCIAL GROWERS: It is now over 50 years since I have developed the first Winter-Flowering Sweet Pea. Now they are cultivated in any part of the world in greenhouses in winter and more out of doors. In semitropical places, like Gulf of Mexico, California, they are grown in large quantities by commercial growers during the year, by light cloth protection, if necessary. In northern states and Canada, where the temperature does not go much over 90° they will bloom all the summer until the frost. All commercial growers agree that our Sweet Peas are much better, larger and longer stems, than the late-flowering, for summer culture, as they can be sown any time and will start to bloom in 90 to 120 days after sowing, and are much more healthy. All our older varieties are carefully reselected each year, and they improve in size, length of stem and production.

SPECIAL OFFER

Any order accompanied with remittance will be sent Parcel Post or Express free of charge.

Canadian and any Foreign orders must be Draft on any Bank of United States, or Postal Order, as Personal Checks are subject to heavy discounts.

Special delivery letters are not of any value, as we get our mail three times each day in our box 30 minutes after arrival. If you are late, send your letter by AIR MAIL which costs less and comes two days earlier from eastern states.

Kindly keep this List for further reference as we do not advertise extensively. Ninety percent of all sales come from this list.



ZVOLANEK'S
INSPIRATION

Orange and Salmon

ZVOLANEK'S INSPIRATION—Salmon cerise, of the largest size, majority of flowers are double. It has the longest stem of all Sweet Peas, even having longer stems and larger flowers than the Zvolanek Josie. Blooms freely in winter and there is no other better for summer.

Pkt. 40c; 1 oz. 75c; 4 ozs. \$2.00; 1 lb. \$6.00

ZVOLANEK'S ELIZABETH — Finest coral, of medium size, luscious color, which is most attractive in any table design.

Pkt. 40c; 1 oz. 75c; 4 ozs. \$2.00; 1 lb. \$6.00

ZVOLANEK'S ORANGE QUEEN — Fiery orange, underlaid with scarlet, one of the most pleasing colors. Free bloomer.

Pkt. 20c; 1 oz. 30c; 4 ozs. \$1.00; 1 lb. \$3.00

ZVOLANEK'S SUPREME ORANGE — Clear orange flame, loaded with mass of large flowers.

Pkt. 20c; 1 oz. 30c; 4 ozs. \$1.00; 1 lb. \$3.00

ZVOLANEK'S YVONE WILLISA—Dark rose with beautiful salmon ground. Large wavy flower, big bloomer. This is a cross by Orange Limit and Superior Pink.

Pkt. 20c; 1 oz. 30c; 4 ozs. \$1.00; 1 lb. \$3.00

ZVOLANEK'S SALMON—This is a great improvement of the famous Irene Pilot, but double the size and length of stem and more fiery.

Pkt..20c; 1 oz. 30c; 4 ozs. \$1.00; 1 lb. \$3.00; 5 lbs. \$12.00

ZVOLANEK'S PRESIDENT — Dark salmon, exquisite color, and extremely long stems. Another first class commercial variety, doing well all over the world.

Pkt. 20c; 1 oz. 30c; 4 ozs. \$1.00; 1 lb. \$3.00

ZVOLANEK'S MISS WISCONSIN—Light salmon, long stem, the best bloomer we have ever introduced.

Pkt. 20c; 1 oz. 30c; 4 ozs. \$1.00; 1 lb. \$3.00

ZVOLANEK'S MISS AMY DU PONT — Large light salmon pink. Long stem, perfect built flower, has proved to be first class commercial variety for greenhouses and outdoors.

Pkt. 20c; 1 oz. 30c; 4 ozs. \$1.00; 1 lb. \$3.00

ZVOLANEK'S SANTA BARBARA—Mammoth dark orange red, long stems, well built flowers and good producer.

Pkt. 20c; 1 oz. 30c; 4 ozs. \$1.00; 1 lb. \$3.00

White

ZVOLANEK'S WHITE TWIN—Pure white, long stem, one of the earliest bloomers.

Pkt..20c; 1 oz. 30c; 4 ozs. \$1.00; 1 lb. \$3.00; 5 lbs. \$12.00

ZVOLANEK'S WHITE GEISHA—Exact duplicate of Zvol. Josie only white, black seeded, opening slightly pink like any black seeded variety, but, when developed, is pure white. It is the largest flower and longest stem in any white Sweet Pea. Better than Harmony.

Pkt. 20c; 1 oz. 30c; 4 ozs. \$1.00; 1 lb. \$3.00

ZVOLANEK'S WHITE ROSE — Beautifully formed pure white. It is the duplicate of our Zvolanek Rose except in color, and the Queen of all whites. Very poor seeder, as all other mammoth varieties.

Pkt. 20c; 1 oz. 30c; 4 ozs. \$1.00; 1 lb. \$3.00

ZVOLANEK'S EARLY WHITE ROSE—Practically the same only one week earlier. This variety has proved to be one of the best for early winter all over the northeastern states, being laden with flowers from November until late in the spring.

Pkt. 20c; 1 oz. 30c; 4 ozs. \$1.00; 1 lb. \$3.00

Lavender

ZVOLANEK'S LAVENDER SUPREME — Very large, long stem and mostly with four flowers.

Pkt. 20c; 1 oz. 30c; 4 ozs. \$1.00; 1 lb. \$3.00

ZVOLANEK'S MICHIGAN—A mammoth, darker, pure lavender, with long stems and excellent producer. Introduced only a few years ago. We are getting repeated larger orders each year from all commercial growers.

Pkt. 20c; 1 oz. 30c; 4 ozs. \$1.00; 1 lb. \$3.00

ZVOLANEK'S BOSTON—Is practically the same mammoth beautiful shape; only several shades lighter and earlier. One of the best lavender under glass, being loaded with flowers from November.

Pkt. 20c; 1 oz. 30c; 4 ozs. \$1.00; 1 lb. \$3.00

ZVOLANEK'S PHILADELPHIA—A fine large clear lavender that has a tendency to bloom a week in advance of all others, and a great producer, much better than Harmony. It is the favorite with greenhouse men.

Pkt. 20c; 1 oz. 30c; 4 ozs. \$1.00; 1 lb. \$3.00

Blue and Maroon

ZVOLANEK'S FASCINATION — Lighter, clear blue, without any mauve. This is a new variety in blue, good producer and fascinating color much better than Mrs. Hoover.

Pkt. 40c; 1 oz. 75c; 4 ozs. \$2.00; 1 lb. \$6.00

ZVOLANEK'S BOY BLUE—Dark blue, without any trace of maroon. Much larger than Indigo Blue and longer stems. Better than Indigo Blue.

Pkt. 20c; 1 oz. 30c; 4 ozs. \$1.00; 1 lb. \$3.00

ZVOLANEK'S ELK PURPLE—Large purple, long stem and good producer.

Pkt. 20c; 1 oz. 30c; 4 ozs. \$1.00; 1 lb. \$3.00

ZVOLANEK'S MISS ALABAMA—Darkest maroon or mahogany color or largest size and longest stem.

Pkt. 20c; 1 oz. 30c; 4 ozs. \$1.00; 1 lb. \$3.00

Red and Scarlet

ZVOLANEK'S CARDINAL—Fiery vermillion red, larger and longer stems than any red. Most of four flowers, far apart producing large bunches.

ZVOLANEK'S KANSAS CITY — An extra large dark red, pleasing color and long stems. Good for early or late planting. Best of all reds.

Pkt. 20c; 1 oz. 30c; 4 ozs. \$1.00; 1 lb. \$3.00

ZVOLANEK'S RED—Very large scarlet and extremely long stems. Likes plenty of sunshine and should be planted to bloom in February or later. Unsurpassed for outdoor planting.

Pkt. 20c; 1 oz. 30c; 4 ozs. \$1.00; 1 lb. \$3.00



ZVOLANEK'S
MERRY
WIDOW

Pink and Rose

ZVOLANEK'S MERRY WIDOW—Brilliant dark rose; very large, many double, free bloomer in winter and out of doors.

Pkt. 40c; 1 oz. 75c; 4 ozs. \$2.00; 1 lb. \$6.00

VIVIAN ZVOLANEK—One of the clearest dark rose colors. Practically sister to Zvolanek Josie. Well recommended by commercial growers. We are already holding orders for 75 percent of expected crop.

Pkt. 40c; 1 oz. 75c; 4 ozs. \$2.00; 1 lb. \$6.00

ZVOLANEK JOSIE—This variety is without doubt the largest and longest stemmed Pink Sweet Pea in existence. There is not even one of the Summer Flowering which can show larger and longer stems. It blooms freely in Winter and, if sown out of doors is better than any of the Summer Flowering types, blooming four weeks earlier.

Pkt. 20c; 1 oz. 30c; 4 ozs. \$1.00; 1 lb. \$3.00; 5 lbs. \$10.00

ZVOLANEK'S PINK PEARL—Very clear light pink. Lighter than Canada, large flower, long stem, robust grower and free bloomer.

Pkt. 20c; 1 oz. 30c; 4 ozs. \$1.00; 1 lb. \$3.00

ANTON C. ZVOLANEK—Fiery rose, extremely long stems, even larger and better producer than the famous Zvolanek Rose which we believe will be the leader for the next generation in rose color.

Pkt. 20c; 1 oz. 30c; 4 ozs. \$1.00; 1 lb. \$3.00

ZVOLANEK'S MRS. H. R. HOLSCHER — Clear pink, very large and robust grower. I have seen these in full bloom in Eastern greenhouses from November until late in spring. Also one of the best for outdoors.

Pkt. 20c; 1 oz. 30c; 4 ozs. \$1.00; 1 lb. \$3.00

ANNIE LAURIE—Pink. Good producer. Long stems.

Pkt. 20c; 1 oz. 30c; 4 ozs. \$1.00; 1 lb. \$3.00

ZVOLANEK PERFECTION—A mammoth dark rose. All year round variety in winter or outdoors. One of the best in the Pacific and Gulf states.

Pkt. 20c; 1 oz. 30c; 4 ozs. \$1.00; 1 lb. \$3.00

ZVOLANEK'S ROSE—This is the Queen of all Rose Peas. For many years it has reigned with its dominating color, of unusually large size, shape and productiveness. Many seed dealers advertising this variety, some even as Improved Zvolanek Rose, but if not grown by us, it is only a pink mixture, because if not kept in full control it reverts in short time like any other Winter Sweet Peas.

Pkt. 20c; 1 oz. 30c; 4 ozs. \$1.00; 1 lb. \$3.00; 5 lbs. \$12.00

ZVOLANEK'S MISS LOISE GUDE — Improved large shell pink. Old favorite with growers. This is practically a novelty, much larger and longer stems than the old variety.

Pkt. 20c; 1 oz. 30c; 4 ozs. \$1.00; 1 lb. \$3.00



Warranty

All varieties in this list are true and fixed as represented. Should any mistake occur by us, we will return the full amount paid for the seed or replace the same, but we will not be responsible for a failure caused by climatic conditions or neglect of the grower. We are interested in your Sweet Peas, even after the seed has germinated, and any questions will be cheerfully answered.

Most of the commercial varieties will be ready to ship early in June. Please send your order early. We are usually sold out early each year, and perhaps of such varieties as you may need. In case of shortage or failure of crop we will take the liberty of substituting with the best and nearest color, as this list is made out just before the harvest, and we are not yet certain about the crop. If no substitute is wanted, mark your order "**No Substitute.**"

Bi-Colors and Art Colors

ZVOLANEK'S YELLOW CHARM (Improved)—Light yellow, black seeded, extra long stems. We believe this will out-class every cream or yellow Sweet Pea.

Pkt. 20c; 1 oz. 30c; 4 ozs. \$1.00; 1 lb. \$3.00

ZVOLANEK'S GOLDEN ORCHID — Canary yellow, large flowers and stem.

Pkt. 20c; 1 oz. 30c; 4 ozs. \$1.00; 1 lb. \$3.00

VEILED LADY—One of the best artistic flowers. Color white, beautiful carmine variegated, stems very long and the large flowers apart.

Pkt. 30c; 1 oz. 50c; 4 ozs. \$1.75; 1 lb. \$4.50

ZVOLANEK'S XMAS TRIUMPH — A mammoth pink and white, with brilliant pink standard, white wings and cream keel. Holds its color when cut. None better for early winter, being loaded with flowers from November until spring.

Pkt. 20c; 1 oz. 30c; 4 oz. \$1.00; 1 lb. \$3.00

NEW SEMI-CUPIDS OR BABY DWARF WINTER SWEET PEAS—This type of Sweet Pea grows only about 16 inches high, producing a mass of flowers of big size. Do not need any support, and can be grown either as pot plants for Christmas or Easter, or as cut flowers for funeral work, where short stems can be used. It is also excellent for out of door planting as a border, blooming practically all summer or winter when climate permits. We have now about 10 separate colors of this new Sweet Pea, consisting of the best pink, rose, salmon, lavender, white, blue, red and maroon.

Price: 1 oz. of any separate color \$1.00; 1 lb. \$10

In mixtures, over 20 now: Pkt. 60c; 1 oz. 75c; 1 lb. \$6.00

EARLY MIXED SWEET PEAS

The past few years we have had a big call on early-flowering outdoor MIXTURE, especially from florists who sell seed as a side line to their clients. Our Mixture cannot be duplicated anywhere. We are using only the best of the largest varieties, and for the convenience of florists we are raising several kinds.

ZVOLANEK'S GRAND MIXTURE—One row of this mixture is a revelation in a garden row. It consists of all the best colors properly graded and at least 150 varieties, including many novelties never seen before. Any retail florist should have a quantity on hand to please his customers.

Pkt. 20c; 1 oz. 30c; 4 ozs. \$1.00; 1 lb. \$3.00; 5 lbs. \$10.00

Special low price in over 20-lb. lot

Every year we get inquiry for other flower seeds from our growers. To accommodate those we have now some of the main cut flower seeds which we think are the best.

SNAPDRAGON —Ceylon Curt, Yellow Terry, Surprise, Rose, White Wonder, and Many Others.	Price: $\frac{1}{2}$ oz. \$1.00
CALENDULAS —Masterpiece, Orange, Lemon Queen, Sensation, Orange Scarlet, Sunshine, Yellow.	Price: \$1.00 oz.
CANDYTUFT —Giant Hyacinth, White.	Price: 50c per oz.
CENTAUREA —Several colors.	Price: \$1.00 oz.
COSMOS —Most all colors.	50c per oz.
LARKSPUR —10 varieties.	50c per oz.
MARIGOLD —Crown of Gold and 4 best others.	Price: \$1 oz.
MIGNONETTE —4 varieties.	\$1 per oz.
PETUNIAS —8 varieties	$\frac{1}{4}$ oz \$3.00; $\frac{1}{2}$ oz. \$2.00
STOCK —6 different colors.	$\frac{1}{2}$ oz. \$2.00; 1 oz. \$3.50
VERBENAS —Scarlet, Rose Pink, Salmon Rose.	1 oz. \$1.00

We can supply most any other flower seed which are grown in California from many seedgrowers, for current prices.

Short Culture on Sweet Peas

HOW TO START THE SEED:

Every year I personally visit many old Sweet Pea growers who all agree that to get the best results the seed should be soaked in water for 6 to 10 hours, and such seeds that have not swelled up must be chipped or filed and dropped back in water until swelled up.

Some varieties like **Xmas Triumph** and several lavender varieties have very hard shell and must be soaked longer in water.

You will find also many seeds which will not respond so quickly. Such seed has either been just hand picked or has ripened during a very hot spell, and all these must be helped by chipping the skin.

1. Any soil is good for Sweet Peas except heavy clay or too much sand.

2. Work the soil at least 18 inches deep, 2 feet is better, with plenty of rotten stable manure. Cow manure is best; use some lime and crushed bone.

3. Tramp the soil down firm; never plant in loose soil.

4. Take the hose and water down to the base. Let stand a few days until moderately moist.

NEVER PUT SEED IN TOO WET SOIL.

5. Rake off the surface nice and smooth, make rows and drop seed not over three inches deep, and two inches apart. Rake off again. **DO NOT WATER UNTIL THE SEED IS UP AT LEAST HALF AN INCH OUT OF THE SOIL.** (Nine tenths of the failures are caused by watering too soon). When seed is all up give a good soaking about once a week. It is better to keep moisture below than on top. Do not plant Sweet Pea seed when the weather is too hot, shade the glass first.

6. When all the seed is up, thin to at least 6 inches apart, if outdoors, cover the rows with old strips of wire netting to protect the young plants from birds. All birds like the tender young pea shoots when just out of the ground.

7. Look from the start for Green Aphis. They are the greatest enemy. When you discover any, take the spray gun at once, load it with one part of 40 percent nicotine and 400 parts of water, if the Sweet Peas are outdoors; in the greenhouse 1 to 600 will do if you spray them in time, or use Nico Dust 6 percent. Shoot any black birds that are around your Sweet Peas. They do not pick on the Aphis as many people think, but they feed most exclusively on the lady bugs, who are the greatest exterminator of Aphis. Protect all frogs, they feed only on insects. Build them little water ponds where they will propagate quickly and they keep your garden free of insects.

8. Give the young plants good substantial support so that they can climb from the start and have a chance to produce nice straight flowering stems. Crooked stem flowers are worthless.

9. When the plants begin to bloom give them liquid manure water often; it will produce 100 percent better flowers. Cow manure or a weak sheep manure solution is the best.

10. Pick daily, even the poorest flowers; it will lengthen the flowering season. Always keep the surface earth loose to about two inches. Never allow any crust to form on top.

Dropping the Buds

In the northern and eastern states, dropping off buds during November and December is common, but a great deal of this can be prevented. We all know that Sweet Peas like plenty of moisture to get long stems, but during the cloudy weather in November and December it is better to sacrifice the long stems for good flowers. As soon as the moist and cloudy weather the latter part of October sets in, keep the greenhouses as dry as possible, even when the soil is dry three or four inches on the surface. Keep the ventilator open even during the night as much as possible and during frosty nights turn the heating pipes on so there is plenty of dry air circulating.

Should you find a few spots which need some water, water only between the rows in ditches and away from the plants, so they get the moisture from underneath. This will save you at least 50 percent of the flowers.



OUR FLORADALE SWEET PEA RANCH